

**PATENT APPLICATION**  
**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of

Docket No: Q76590

Osamu HOSHUYAMA

Appln. No.: 10/621,577

Group Art Unit: Unknown

Confirmation No.: Unknown

Examiner: Unknown

Filed: July 18, 2003

For: ACOUSTIC ECHO SUPPRESSOR FOR HANDS-FREE SPEECH COMMUNICATION

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §§ 1.97 and 1.98**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

One copy of each of the listed documents is submitted herewith.

1. E. Hansler, "The hands-free telephone problem: an annotated bibliography update", Ann. Telecommun., 49, n° 7-8, (1994), pp. 360-367 with Abstract.
2. J. Shynk, "Frequency-Domain and Multirate Adaptive Filtering", IEEE SP Magazine, (January 1992), pp. 14-37.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date; (2) Before the mailing date of the first Office Action



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10/621,577


INFORMATION DISCLOSURE STATEMENT

on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after filing a request for continued examination (RCE) under §1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this paper is attached.

Respectfully submitted,



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WASHINGTON OFFICE

**23373**

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Date: October 17, 2003

*(use as many sheets as necessary)*

Application Number	10/621,577
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First Named Inventor	Osamu HOSHUYAMA
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Examiner Name	Unknown
Attorney Docket Number	O76590

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U.S. PATENT DOCUMENTS

[illegible][illegible]

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>
		E. Hansler, "The hands-free telephone problem: an annotated bibliography update", Ann. Telecommun., 49, n° 7-8, (1994), pp. 360-367 with Abstract.	
		J. Shynk, "Frequency-Domain and Mutirate Adaptive Filtering", IEEE SP Magazine, (January 1992), pp. 37.	

**Date Considered**

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov), MPEP 901.04 or in the comment box of this document. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.